

What I claim as my invention is:

1 1. A method of identifying a bridge uplink port in a network, comprising the steps

2 of:

3 (a) sending an ICMP ping to all known bridges within said network and thereby
4 causing forwarding data base tables of said bridges to store MAC addresses and
5 interface indices of adjacent bridges;

6 (b) sending an SNMP query to a selected bridge to retrieve stored contents of a
7 forwarding data base table of said selected bridge; and

8 (c) for any interface index retrieved from said selected bridge, identifying a port
9 associated with said interface index as an uplink port of an adjacent bridge.

1 2. A method of further identifying a bridge uplink port in a network in accordance
2 with claim 1, further comprising the steps of:

3 (d) downloading the contents of all of said forwarding data base tables of said
4 known bridges;

5 (e) counting a number of MAC addresses associated with each port of said
6 bridges; and

7 (f) identifying a port as an uplink port if said number of MAC addresses counted
8 exceeds a predetermined number.